

Patent Abstracts of Japan

PUBLICATION NUMBER : 08039054  
PUBLICATION DATE : 13-02-96

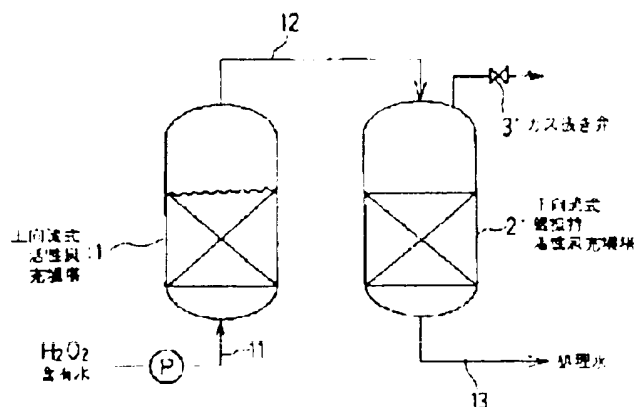
APPLICATION DATE : 27-07-94  
APPLICATION NUMBER : 06175463

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INT.CL. : C02F 1/28 B01J 20/20 C02F 1/00  
C02F 1/50 C02F 1/50 C02F 1/50  
C02F 1/50 C02F 1/50 C02F 1/50  
C02F 1/58

TITLE : METHOD FOR DECOMPOSING  
HYDROGEN PEROXIDE



ABSTRACT : PURPOSE: To prevent a channeling phenomenon in a column filled with activated carbon due to oxygen bubbles generated by the decomposition of  $H_2O_2$  and to conduct the treatment stably for a long period of time with a slime trouble controlled in the decomposition of  $H_2O_2$  by passing water containing  $H_2O_2$  through the column filled with activated carbon.

CONSTITUTION: Water containing  $H_2O_2$ , after being passed through a column 1 filled with activated carbon, is passed through a column 2 filled with silver-carrying activated carbon. Since  $H_2O_2$  remains in the column 1, there occurs no problems of slime generation. In the column 2 in which the decomposition of  $H_2O_2$  is completed, the slime generation is prohibited due to the antimicrobial activity of the silver. Oxygen bubbles are expelled efficiently from the column 1 by a large space velocity of water passage.

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